

Title (en)
DECOLORATION OF POLYOLEFINS IN THE MELT STATE

Title (de)
ENTFÄRBUNG VON POLYOLEFINEN IM SCHMELZZUSTAND

Title (fr)
DÉCOLORATION DE POLYOLÉFINES À L'ÉTAT FONDU

Publication
EP 4155340 A1 20230329 (EN)

Application
EP 21198611 A 20210923

Priority
EP 21198611 A 20210923

Abstract (en)
The present invention concerns a process for decolorizing a polyolefin composition, the process comprising the steps of a) providing a polyolefin composition comprising at least one polyolefin and at least one organic chromophore, b) mixing the polyolefin composition in a melt state at a temperature of 170 to 290 °C with an inorganic oxidizing agent, wherein the inorganic oxidizing agent is selected from the group of inorganic peroxides and hypochlorites, and c) obtaining a decolorized polyolefin composition.

IPC 8 full level
C08J 11/04 (2006.01)

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Citation (applicant)
• US 2006148914 A1 20060706 - CONNOR DANIEL M [US], et al
• CAS, no. 36888-99-0
• CAS , no. 12225-06-8

Citation (search report)
• [XY] EP 3770208 A1 20210127 - SMART COLORING GMBH [DE]
• [A] EP 2816154 A1 20141224 - SURFACTOR GERMANY GMBH [DE]
• [XDY] US 2006148914 A1 20060706 - CONNOR DANIEL M [US], et al

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